



U.S. Department of Transportation

National Highway Traffic Safety Administration

# Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.





PEDESTRIAN CASE SUMMARY NATIONAL ACCIDENT SAMPLING SYSTEM PEDESTRIAN CRASH DATA STUDY

82 PSU

CASE NO. 644 P

TYPE OF ACCIDENT

TRUCK TURNING RIGHT/PEDESTRIAN WALKING

## A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

(Provide a summary of the accident sequence as well as any particular event of the accident that is noteworthy. Pedestrian injury mechanism and vehicle interaction is the focus, not pedestrian or driver culpability. Do not include any personal identifiers.)

> Vehicle #1 was stopped southbound in lane 1 of a 6-lane, 2-way street at an intersection preparing to make a right turn. pedestrian began to cross with another pedestrian (645 P) southbound across the street. The other pedestrian (645 P) was to the left t and, both were sharing an umbrella held in the right hand of the other ped (645 B). Vehicle #1 began his right turn and struck both pedestrians and knocked them both down to the ground and forward of Vehicle #1.

			B. PED	ESTRIAN PR	OFILE		
Pedestrian			Treatment/				Injury 7 ZONE CENTER)
No.	Age	Sex	Mortality	Body Region	Ana. Struc.	AIS	Injury Source
01	51	Female	Treated & released	Upper	skeletal	2	other Ped

Body Region	Type of Anatomic Structure	Abbreviated Injury Scale
Head Face Throat Chest Abdomen/Pelvis Spine Upper Extremity Lower Extremity External	Whole Area Vessels Nerves Organs Skeletal Head-LOC Skin-Burn Skin-Other	<ul> <li>(1) Minor injury</li> <li>(2) Moderate injury</li> <li>(3) Serious injury</li> <li>(4) Severe injury</li> <li>(5) Critical injury</li> <li>(6) Maximum (untreatable)</li> <li>(7) Injured, unknown severity</li> </ul>

	Class		В	Most Severe Damage ased on Vehicle Inspection	
Vehicle No.	of Vehicle	Year/Make/Model	Damage Plane	Damage Description	
01	Pickup truck	95/Ford/Ranger Super Cab	Front	Minor - smears	

DO NOT SANITIZE THIS FORM



U.S. Department of Transportation

**ACCIDENT COLLISION DIAGRAM** 

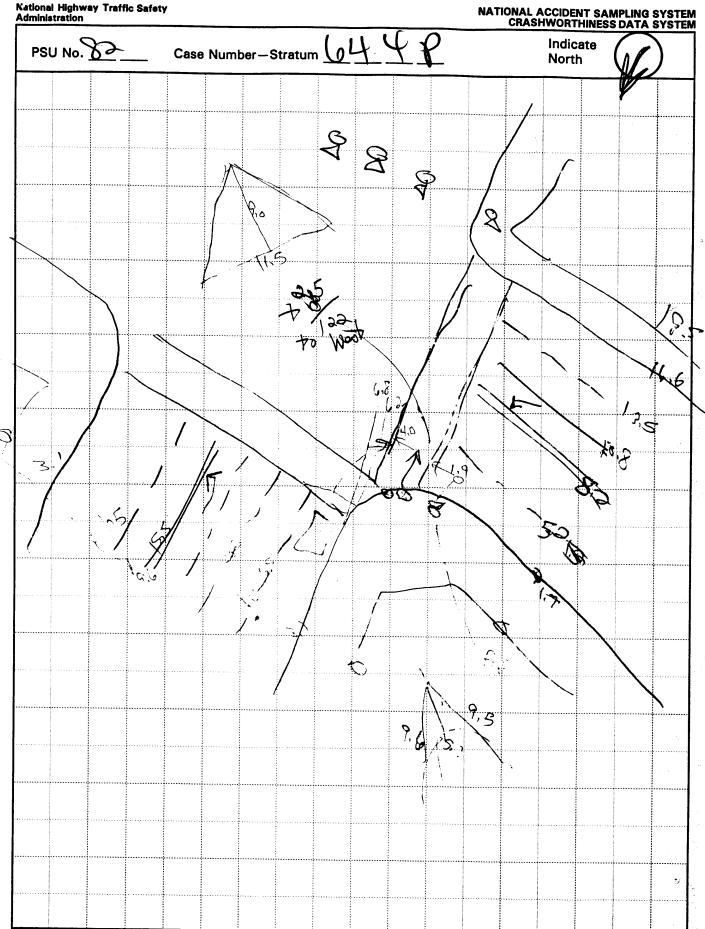
NATIONAL ACCIDENT SAMPLEDESTRIAN CRASH National Highway Traffic Safety Administration SYSTEM A STUDY PSU No. Indicate Case Number – Stratum North Sidewalk Sidewolk

Scale: 1 centimeter =



# **ACCIDENT COLLISION DIAGRAM**

Kational Highway Traffic Safety Administration



HS Form 431B (1/95)

Scale: 1 centimeter = \_ meters



# PEDESTRIAN ACCIDENT COLLISION MEASUREMENT TABLE NATIONAL ACCIDENT SAMPLING SYSTEM PEDESTRIAN CRASH DATA STUDY

Administration					TESESTIMATE OTABLE STOST
Primary Sampling Unit Number \$\frac{1}{2} \arraycolor{1}{2}			Case N	umber	-Stratum 6 4 P
PEDESTRIAN ACCIDENT CO	LLISION DATA C	OLLECTION			SCALED DIAGRAM
document reference point and reference line relative to physical features	Surface Type		to ball	* no	rth arrow placed on diagram
documentation of all accident induced physical evidence including (if applicable):	Surface Condition	### 10 apr 40 n 10	Map		ade measurements for all applicable adways
a) vehicle skid marks	Coefficient of Frid	ction _			aled representations of the physical plant duding:
b) pedestrian contacts with ground or object	Grade (v/h) Mea	2	2.5/,2 +0 \	1007	all road/roadway delineation (e.g., crosswalks, curb/edge lines, lane markings, medians, pavement markings, parked vehicles, poles, signs, etc.)
c) vehicle/pedestrian point of impact (POI)	a) at impa	n impact and	2.5/2 101	<u>-</u>	all traffic controls (e.g., lights, signs)
d) location of pedestrian separation point from vehicle	final res		- 70	pe	destrian at pre-impact, impact, and final st based upon either:
f) final resting points (FRP) for pedestrian and vehicle	Pedestrian Trave	el Direction	than 1	a)	physical evidence, or
documentation of the physical plant including:	Vehicle Travel D		100 et	b)	reconstructed accident dynamics
all road/roadway delineation (e.g., crosswalks, curb/edge lines, lane markings, medians, pavement markings, parked vehicles, poles,	Number of Trave	l Lanes _			
signs, etc.) b) all traffic controls (e.g., lights, signs)					
Reference Point: Lukto Palo	Three	Refer	ence Line:		
Item			nce and Direction Reference Point		Distance and Direction from Reference Line
/	حـ حـ	110111			Hom Reference Line
NOV	15				

Item	Distance and Direction	Distance and Direction
	from Reference Point	from Reference Line
		44. 15.00

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**National Highway Traffic Safety** 

# PEDESTRIAN ACCIDENT FORM NATIONAL ACCIDENT SAMPLING SYSTEM

PEDESTRIAN CRASH DATA STUDY

1. Primary Sampling Unit Number

2. Case Number - Stratum

## **IDENTIFICATION**

3. Number of General Vehicle Forms Submitted

4. Date of Accident (Month, Day, Year)



5. Time of Accident

Code reported military time of accident.

NOTE: Midnight = 2400Unknown = 9999

## SPECIAL STUDIES - INDICATORS

Check (✓) each special study (SS15-SS19 below) that has been completed; code 1 for the checked special studies and 0 for the special studies not checked.

6. \_\_\_\_SS15 Administrative Use

7. \_\_\_\_SS16 Pedestrian Crash Data Study

8. \_\_\_SS17 Impact Fires 0

9. SS18 0

10. SS19 0

## NUMBER OF EVENTS

11. Number of Recorded Events in This Accident

0 1

\_0\_

1

## PEDESTRIAN STUDY CRITERIA

#### Pedestrian Definition:

Any person who is on a trafficway or on a sidewalk or path contiguous with a trafficway, or on private property (e.g., parking lot). Note: Pedestrians include persons who are in contact with the ground, roadway, etc. and are pushing carts, wagons, etc. or holding on to a vehicle.

Persons in or on a nonmotorist conveyance are not pedestrians and are excluded from this study. A nonmotorist conveyance is defined as any human powered device by which a nonmotorist may move, or by which a pedestrian or nonmotorist may move another nonmotorist. A nonmotorist conveyance for purposes of this study includes the following: bicycles, baby carriages, roller skates/blades, push carts, scooters, wheelchairs, animals, etc. For example, persons on a bicycle/scooter, roller skating/blading, in a baby carriage/push cart/wheelchair or on a horse are excluded.

#### Case Selection Criteria:

A forward moving, late model year (VEH04 equals 90 to 95) CDS applicable vehicle (VEH07 equals 01 to 49) must strike a pedestrian.

The striking portion of the vehicle structure must be original equipment manufacturer (OEM) without previous damage and or parts removed in the impact area. For example, vehicles equipped with deer guards, winches, snow plows, etc. or previously damaged in the impact area are excluded.

The pedestrian may not be lying or sitting.

The pedestrian impact(s) are the vehicle's only impact(s). If multiple pedestrians are impacted, each pedestrian shall be a separate

The first point of contact between the late model year, CDS applicable vehicle and the pedestrian must be forward of the top of the A pillar.

		PEDESTRIAN	ACCIDENT	T EVENTS		
Accident Event Sequence Number	Vehicle Number	Class Of Vehicle	General Area of Damage	Vehicle Number or Object Contacted	Class Of Vehicle	General Area of Damage
 12. <u>0</u> <u>1</u>	13. <u>0</u> <u>1</u>	14. 15	15.	16. <u>7</u> <u>2</u>	17. <u>0</u> <u>0</u>	18. <u>0</u>

# CODES FOR CLASS OF VEHICLE

- (00) Not a motor vehicle
- (01) Subcompact/mini (wheelbase < 254 cm)
- (02) Compact (wheelbase ≥ 254 but < 265 cm)
- (03) Intermediate (wheelbase ≥ 265 but < 278 cm)
- (04) Full size (wheelbase ≥ 278 but < 291 cm)
- (05) Largest (wheelbase ≥ 291 cm)
- (09) Unknown passenger car size
- (11) Compact utility vehicle
- (12) Large utility vehicle (≤ 4,500 kgs GVWR)
- (13) Passenger van (≤ 4,500 kgs GVWR)
- (14) Other van (≤ 4,500 kgs GVWR)
- (15) Pickup truck (≤ 4,500 kgs GVWR)
- (18) Other truck (≤ 4,500 kgs GVWR)
- (19) Unknown light truck type

# CODES FOR GENERAL AREA OF DAMAGE (GAD)

# CDS APPLICABLE VEHICLES

- (F) Front
- (R) Right side
- (L) Left side
- (U) Undercarriage
- (9) Unknown

# CODES FOR VEHICLE NUMBER OR OBJECT CONTACTED

Collision with Nonfixed Object

(72) Pedestrian

# U.S. Department of Transportation

# PEDESTRIAN ASSESSMENT FORM

Form Approved O.M.B. No. 2127-0021

National Highway Traffic Safety Administration

NATIONAL ACCIDENT SAMPLING SYSTEM PEDESTRIAN CRASH DATA STUDY

1. Primary Sampling Unit Number  2. Case Number - Stratum  3. Pedestrian Number  0 1	10. Pedestrian's Weight Code actual weight to the nearest kilogram.  (999) Unknown  10. Pedestrian's Weight  A code actual weight to the nearest kilogram.  (999) Unknown  A code actual weight to the nearest kilograms
PEDESTRIAN'S CHARACTERISTICS	DEDECTRIANIC DDE AVOIDANCE ACTIONS
4. Pedestrian's Age Code actual age at time of accident. (00) Less than one year old (specify by month):  (97) 97 years and older (99) Unknown  5. Pedestrian's Sex (1) Male (2) Female - not reported pregnant (3) Female - pregnant-1st trimester (1st-3rd month) (4) Female - pregnant-2nd trimester (4th-6th month) (5) Female - pregnant-3rd trimester (7th-9th month) (6) Female - pregnant-term unknown (9) Unknown  6. Pedestrian's Overall Height Code actual height to the nearest centimeter. (999) Unknown	PEDESTRIAN'S PRE-AVOIDANCE ACTIONS  11. Pedestrian Attitude (1) Standing (2) Crouching (3) Kneeling (4) Bending at waist (8) Other (specify): (9) Unknown  12. Pedestrian Motion (0) Not moving (1) Walking slowly (2) Walking rapidly (3) Running or jogging (4) Hopping (5) Skipping (6) Jumping (7) Falling/stumbling or rising (8) Other (specify): (9) Unknown
7. Pedestrian's Height - Ground to Knee Code to the nearest centimeter. (999) Unknowninches X 2.54 = 38 centimeters  8. Pedestrian's Height - Ground to Hip Code to the nearest centimeter. (999) Unknown	13. Pedestrian's Action Relative to Vehicle (00) Stopped (01) Crossing road, straight (02) Crossing road, diagonally (03) Moving in road, with traffic (04) Moving in road, against traffic (05) Off road, approaching road (06) Off road, going away from road (07) Off road, moving parallel (08) Off road, crossing driveway (09) Off road, moving along driveway (98) Other (specify):
9. Pedestrian's Height - Ground to Shoulder Code to the nearest centimeter. (999) Unknowninches X 2.54 =	14. Pedestrian's Body (Chest) Orientation Relative to Striking Vehicle Prior to Avoidance Actions (1) Facing vehicle (2) Facing away (3) Left side to vehicle (4) Right side to vehicle (8) Other (specify):

# PEDESTRIAN'S AVOIDANCE ACTIONS

- 15. Pedestrian's First Avoidance Actions
  - (00) No avoidance actions
  - (01) Stopped
  - (02) Accelerated pace
  - (03) Ran away (along vehicle path)
  - (04) Jumped
  - (05) Turned toward vehicle
  - (06) Turned away from vehicle
  - (07) Dove or fell away

## Used hand(s) to:

- (11) Vault corner of vehicle
- (12) Vault onto vehicle(13) Brace against vehicle
- (14) Crouched and braced hands against vehicle
- (98) Other (specify):
- (99) Unknown

## PEDESTRIAN'S ORIENTATION AT IMPACT

- 16. Pedestrian's Head Orientation at Initial Impact
  - (1) To front
  - (2) To left
  - (3) To right
  - (4) Up
  - (5) Down
  - (8) Other (specify):
  - (9) Unknown
- 17. Pedestrian's Body (Chest) Orientation at Initial Impact
  - (1) Facing vehicle
  - (2) Facing away
  - (3) Left side to vehicle
  - (4) Right side to vehicle
  - (8) Other (specify): Le
  - (9) Unknown



- 18. Pedestrian's Arm Orientation at Initial Impact
  - (01) At sides
  - (02) Folded across chest
  - (03) Hands clasped behind back
  - (04) Hands on hips
  - (05) Hands in pockets

#### One or both arms:

- (06) Extended upward
- (07) Extended to side
- (08) Extended forward bracing
- (09) Extended, holding object (briefcase, suitcase, etc.)
- (10) Holding object (young child, grocery bag, etc.) in arm(s)
- (11) Holding object (young child, grocery bag, etc.) on shoulder(s) or head
- (98) Other (specify):\_\_
- (99) Unknown
- 19. Pedestrian's Leg Orientation at Initial Impact
  - (01) Together
  - (02) Apart-laterally
  - (03) Apart-right leg forward
  - (04) Apart-left leg forward
  - (05) Apart- forward leg unknown
  - (06) Left foot off the ground
  - (07) Right foot off the ground
  - (08) Both feet off the ground
  - (98) Other (specify):\_\_\_\_\_
  - (99) Unknown
- 20. Vehicle/Pedestrian's Interaction
  - (01) Carried by vehicle, wrapped position
  - (02) Carried by vehicle, slid to windshield
  - (03) Carried by vehicle, position unknown
  - (04) Passed over vehicle top
  - (05) Thrown straight forward
  - (06) Thrown forward and left of vehicle
  - (07) Thrown forward and right of vehicle
  - (08) Knocked to pavement, forward
  - (09) Knocked to pavement, left of vehicle
  - (10) Knocked to pavement, right of vehicle
  - (11) Knocked to pavement, run over or dragged by vehicle
  - (12) Shunted to left (corner impacts only)
  - (13) Shunted to right (corner impacts only)
  - (14) Bumped or pushed aside
  - (15) Snagged, rotated
  - (16) Snagged, dragged by vehicle
  - (17) Foot or legs run over
  - (98) Other (specify):\_\_\_\_\_
  - (99) Unknown









	OFFICIAL RECORDS		INJURY CONSEQUENCES	
21		(0)		~
21.	Police Reported Alcohol Presence For Pedestrian (0) No alcohol present (1) Yes alcohol present (7) Not reported (9) Unknown	4	25. Injury Severity (Police Rating) (0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury	
22.	Alcohol Test Result For Pedestrian Code actual value (decimal implied before first digit—0.xx) (95) Test refused (96) None given (97) AC (Alcohol Content)	96	<ul> <li>(4) K - Killed</li> <li>(5) U - Injury, severity unknown</li> <li>(6) Died prior to accident</li> <li>(9) Unknown</li> </ul> 26. Treatment - Mortality <ul> <li>(0) No treatment</li> <li>(1) Fatal</li> </ul>	4
	test performed, results unknown (99) Unknown if test given		(2) Fatal - ruled disease (specify):	
22	Source:		Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - non-transported	
23.	Police Reported Other Drug Presence For Pedestrian (0) No other drug(s) present (1) Yes other drug(s) present (7) Not reported (9) Unknown	Y	<ul> <li>(6) Treatment later</li> <li>(8) Treatment - other (specify):</li> <li>(9) Unknown</li> </ul>	$\mathcal{C}$
24.	Other Drug Specimen Test Result For Pedestrian (0) No specimen test given (1) Drug not found in specimen (2) Drug found in specimen,		27. Type Of Medical Facility (for Initial Treatment) (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify): (9) Unknown	9
	(9) OHRIOWII		28. Hospital Stay (00) Not Hospitalized Code the number of days (up through that the pedestrian stayed in a hospital (61) 61 days or more (99) Unknown	
			29. Working Days Lost  Code the number of days (up through 60) that the pedestrian lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown	17

STOP - VARIABLES 30 THROUGH 37 AR	E COMPLETED BY THE ZONE CENTER
30. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured  31. Was the Pedestrian Given Blood? (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given  32. Arterial Blood Gases (ABG) – HCO <sub>3</sub> (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO <sub>3</sub> (96) ABGs reported, HCO <sub>3</sub> unknown (97) Injured, details unknown (99) Unknown if injured  33. Time to Death  Code number of hours from time of accident to time of death up through 24 hours. If time of death is greater than 24 hours, code number of days. (Note: 1 day =31, 2 days = 32, n days = 30 +n up through 30 days = 60) (00) Not fatal (96) Fatal - ruled disease (99) Unknown	34. 1st Medically Reported Cause of Death  35. 2nd Medically Reported Cause of Death  Code the Pedestrian Injury from line number(s) for the medically reported injury(s) which reportedly contributed to this pedestrian's death (00) Not fatal or no additional causes (96) Mode of death given but specific injuries are not linked to cause of death. (specify):  (97) Other result (includes fatal ruled disease) (specify): (99) Unknown  37. Number of Recorded Injuries for This Pedestrian  C.:e the actual number of injuries recorded for this pedestrian. (00) No recorded injuries (97) Injured, details unknown (99) Unknown if injured
ARE ALL APPLICABLE MEDICAL RECORD  NO [V]  UPDATE CANDIDATE?	YES [/]

Administration

U.S. Department of Transportation National Highway Traffic Safety

PEDESTRIAN INJURY FORM

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM PEDESTRIAN CRASH DATA STUDY

1. Primary Sampling Unit Number

82 644 P

3. Pedestrian Number

0\_1

2. Case Number - Stratum

4. Blank

<u>\_X\_X</u>

## **INJURY DATA**

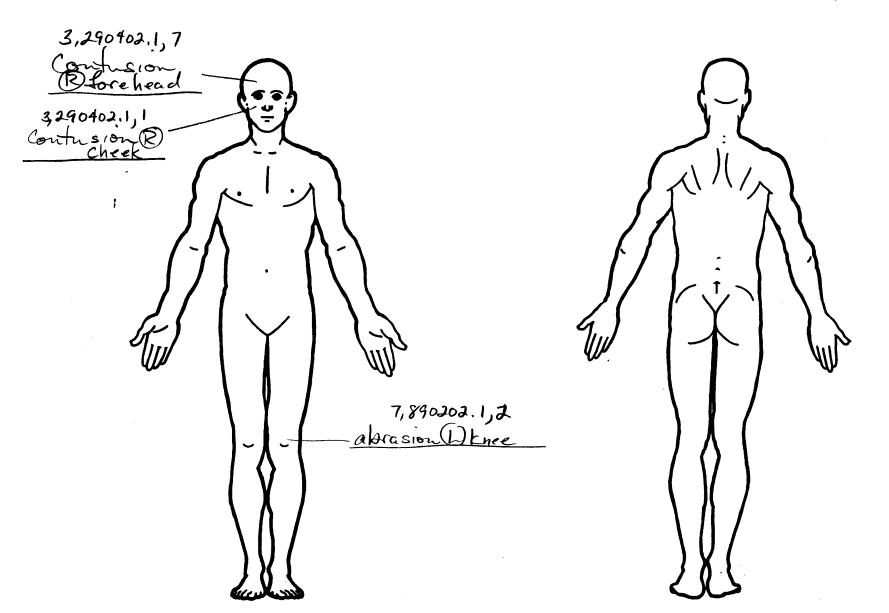
Record below the actual injuries sustained by this pedestrian in CHRONOLOGICAL order that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than twenty-five injuries have been documented, encode the balance on the Pedestrian Injury Supplement.

				AIS-90					Injury				
	Source of Injury Data	Body Region	Type of Anatomic Structure	Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Source Confidence Level	Direct/ Indirect Injury	Striking Profile	Type Of Damage	Damage Depth
1st	5.7	6. <u>8</u>	7,9_	8. <u>0_Z</u>	9. <u>O</u> <b>)</b>	10. <u>/</u>	11.2	12.718	13. <u> </u>	t 14. <u>/</u>	15. 4	16.2_	17.2-
2nd	18,3	19. 7	20.5	21. <u>26</u>	22. <u>0</u> <u>2</u> -	<u>ئے</u> .23.	24	<sub>25.</sub> 9 4 8	26	27	280	29. <u>D</u>	30. <u>O</u>
3rd	31. <u>3</u>	<sub>32.</sub> _7	33. <u>Ś</u>	34. / 0	35. <u>3 0</u>	36.	37/	эв. <u>948</u>	39	40. <u>J</u>	41, <u>O</u>	42. <u>O</u>	43. <u>D</u>
4th	44.3	45.2	46.9_	47. <u>0</u> <u>4</u>	48. <u>0 2</u>	-49. <u>/</u>	50	<sub>51.</sub> 9 4 8	<sub>52.</sub> <u>/</u>	53	54. 🔼	55. <u>O</u>	56. <u>Ö</u>
5th	57.	58. 🔌	- 59. <u>9</u>	60. <u>D 4</u>	61. <u>D</u> 2	- <sub>62</sub> /	637	9 <u>48</u>	65. <u>/</u>	66.	67.	68.	<u>e</u>
6th	70	71	72	73	74	75	76	77	78	79	80	81	82
7th	83	84	85	86	87	88	89	90	91	92	93	94,	95
8th	96	97	98	981	00	101	102	103	104	105	106	107	108
9th	109	110	111	1121	13	114,	115,	116	117	118	119	120	121
Oth	122	123	124	1251	26	127	128	129	130	131	132,	133	134

				PEDES	STRIA	N INJ	URY DAT	ΓΑ				
Source of Injury Data	Body Region	Type of Anatomic Structure	AIS-90 Specific Anatomic Structure	Level of Injury	A.I.S. Severity	Aspect	Injury Source	Injury Source Confidence Level	Direct/ Indirect Injury	Striking Profile	Type Of Damage	Damage Depth
11th	-				<u>-</u>	_	<u>-</u>	_	_	_	_	
12th		<u>—</u>			_	<del>-</del>		<del></del>	_		_	—
13th	_							_	_	-	<u>-</u>	_
15th		_			— —	— —			— —	_	— —	
16th		_						<del></del>	<del></del>	_	_	_
17th		_			_	_	<del></del>	_	_	-	_	_
18th		_			_			_	<u> </u>	_	<u> </u>	_
20th	_	<u>-</u>			_		<u>-</u> -		_		<del></del>	—
21st	_	——————————————————————————————————————			-			—	_	_	—	—
22nd					<u>-</u>	_		— -	-		<u></u>	
24th	_ _	_			 -	_		— —	<del>-</del>	_	_	
25th	_	_		<del></del>	_	—		<del></del> -		—		

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Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



OFF	URCE OF INJURY DATA		(1) Cer	rtain	CONFIDENCE LEVEL		ot from vehicle contact
	Autopsy records with or without hos medical records	·	(3) Pos	obable ssible known		(1) No dama (2) Scratch	
(2)	Hospital/medical records other than emergency room (e.g., discharge		DIREC	CT/INDIRECT		(3) Dent (4) Large de (5) Cracked,	formation , fractured, shattered
(3)	summary) Emergency room records only (include associated X-rays or other lab records		(2) Indi	ect contact injury lirect contact injury ncontact injury		(6) Separate (7) Noncont	ed from vehicle act injury
(4)	associated X-rays or other lab report Private physician, walk-in or emerger			ncontact injury ured, unknown sou	urce	(8) Other sp (9) Unknow	ecify:
- 14	clinic			(ING PROFILE		DAMAGE	DEPTH
(5)	DFFICIAL Lay coroner report		(1) Flat (2) Flat	t-Narrow (<15 ce t-Wide (≥ 15 cent	entimeters) timeters)	(0) Injury no (1) No reside	ot from vehicle contact ual damage
(6)	E.M.S. personnel Interviewee		(3) Rou	unded (contoured) unded edge		(2) Surface	
	Other source (specify):		(5) Sha	arp edge her (specify):		(4) Crush de	epth > 2 to 5 centimeters
(9)	Police		(9) Uni			(8) Other sp (9) Unknow	ecify:
			PEDES	TRIAN INJUR	RY CLASSIFICATION		
Bod	y Region	Specific	Anatomic	Structure	Spine (02) Cervical		Abbreviated Injury Scale
(1) (2)	Head Face	Whole Are	ea 1 - Abrasion		(04) Thoracic		(1) Minor injury
(3)	Neck	(04) Skin	- Contusion	n	(06) Lumbar	1-1-4-	(2) Moderate injury (3) Serious injury
(4) (5)	Thorax Abdomen	(08) Skin	ı - Laceratior ı - Avulsion	a	Vessels, Nerves, Organs, are assigned consecutive	e two digit	(4) Severe injury (5) Critical injury
(6) (7)	Spine Upper Extremity	(10) Amp (20) Burn	n		numbers beginning with 0	2	(6) Maximum (untreatable) (7) Injured, unknown severity
(8) (9)	Lower Extremity Unspecified	(30) Crus (40) Degl	loving		Level of Injury		Aspect
	e of Anatomic Structure	(50) Injur (90) Trau	ry - NFS uma, other th	han mechanical	Specific injuries are consecutive two-digit beginning with 02.		(1) Right (2) Left
(1) (2)	Whole Area Vessels		gth of LOC		To the extent possible,		(3) Bilateral (4) Central
(3) (4)	Nerves Organs (includes muscles/		08) Level of	Consciousness	organizational framework of is assigned to an injury	of the AIS, 00 NFS as to	(5) Anterior (6) Posterior
(5)	ligaments) Skeletal (includes joints)	,			severity or where only given in the dictionary for t	one injury is that anatomic	(7) Superior (8) Inferior
(6) (9)	Head - LOC Skin				structure. 99 is assigned NFS as to lesion or severit	to any injury	(9) Unknown (0) Whole region
					• = :	7.	( · · · · · · · · · · · · · · · · · · ·
							· .
	-			INJURY :	SOURCE		· · · · · · · · · · · · · · · · · · ·
	Front bumper		744 B p			Wheels / tires 790 Left fron	rt wheel / tire
700 701	Front bumper Front lower valance/spoiler		745 C p	billar billar		790 Left from 791 Right fro	ont wheel / tire
700 701 702 703	Front bumper Front lower valance/spoiler Front grille Hood edge and/or trim		745 C p 746 D p	billar billar		790 Left fron	ont wheel / tire · wheel / tire
700 701 702 703 704	Front bumper Front lower valance/spoiler Front grille Hood edge and/or trim Hood ornament (fixed)		745 C p 746 D p 748 Oth 749 Rigi	oillar oillar oillar her pillar (specify): ht side roof rail	·	790 Left from 791 Right from 792 Left rear 793 Right rea 798 Other wi	ont wheel / tire wheel / tire ar wheel /tire heel / tire (specify):
700 701 702 703 704 705 706	Front bumper Front lower valance/spoiler Front grille Hood edge and/or trim Hood ornament (fixed) Hood ornament (spring loaded) Headlight		745 C p 746 D p 748 Oth 749 Rigi 750 Rigi	billar billar billar her pillar (specify):	:	790 Left from 791 Right from 792 Left rear 793 Right rea	ont wheel / tire wheel / tire ar wheel /tire heel / tire (specify):
700 701 702 703 704 705 706 707	Front bumper Front lower valance/spoiler Front grille Hood edge and/or trim Hood ornament (fixed) Hood ornament (spring loaded) Headlight Retractable headlight door (Open/Clo	osed)	745 C p 746 D p 748 Oth 749 Rigi 750 Rigi 751 Rigi 752 Rigi	billar billar her pillar (specify): tht side roof rail tht side door surfa tht side door hand tht side mirror fixe	:	790 Left from 791 Right from 792 Left rear 793 Right rea 798 Other wil 799 Unknown	ont wheel / tire wheel / tire ar wheel / tire heel / tire (specify): n wheel / tire
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700 701 702 703 704 705 706 707 708 718 720 721 722 723 724 725 726 728 729 730 731 732 733 734 735 736 737 738	Front bumper Front lower valance/spoiler Front grille Hood edge and/or trim Hood ornament (fixed) Hood ornament (spring loaded) Headlight Retractable headlight door (Open/Clo Turn signal/parking lights Other front or add on object (specify):	late Fret	745 C p 746 D p 748 Oth 749 Rigi 750 Rigi 751 Rigi 752 Rigi 753 Rigi 754 Rigi 755 Rigi 756 Rea 757 Rea 758 Oth (spe 759 Unk  Back Comp 760 Rea 761 Tail 762 Hat 768 Oth (spe 770 Hoo 771 Hoo 771 Hoo 772 Fror 773 Cow 774 Win 775 Win 776 Fror	billar bi	ce le dd housing rror rward of B pillar arward of B pillar er panel et ct component ced by under hood ace tings	790 Left fron 791 Right fro 792 Left rear 793 Right rea 798 Other wi 799 Unknown 800 Front cro 800 Front cro 801 Steering 802 Oil pan 803 Exhaust 804 Transmis 805 Drive sha 806 Catalytic 807 Muffler 808 Floor par 809 Fuel tank 810 Rear sus 818 Other un (specify) 819 Unknown  Accessories 820 Air scoop 821 Cellular o 822 Emergen 823 Fog light 824 Luggage, 825 Cargo (sp 826 Spare tire 827 Spotlight 828 Other acc	ont wheel / tire wheel / tire ar wheel / tire ar wheel / tire ar wheel / tire on wheel / tire omponents ossmember assembly/Front suspension system pipe ssion aft c converter  c pension dercarriage component : in undercarriage component  p, deflector or CB radio antenna cy lights or bar s, ski, or bike rack pecify): e c cessory (specify):
700 701 702 703 704 705 706 707 708 718 720 721 722 723 724 725 726 728 729 730 731 732 733 734 735 736 737 738	Front bumper Front lower valance/spoiler Front grille Hood edge and/or trim Hood ornament (fixed) Hood ornament (spring loaded) Headlight Retractable headlight door (Open/Clc Turn signal/parking lights Other front or add on object (specify):	late Fret	745 C p 746 D p 748 Oth 749 Rigi 750 Rigi 751 Rigi 752 Rigi 753 Rigi 754 Rigi 755 Rigi 756 Rea 757 Rea 758 Oth (spe 759 Unk  Back Comp 760 Rea 761 Tail 762 Hat 768 Oth (spe 769 Unk  Top Compo 771 Hoo 771 Hoo 771 Hoo 771 Cov 772 Fror 773 Cov 774 Wip 775 Win 776 Fror 777 Roo	billar bi	ce le dd housing rror rward of B pillar arward of B pillar er panel et ct component ced by under hood ace tings	790 Left from 791 Right fro 792 Left rear 793 Right rea 798 Other wil 799 Unknown 800 Front cro 800 Front cro 801 Steering 802 Oil pan 803 Exhaust 804 Transmis 805 Drive sha 806 Catalytic 807 Muffler 808 Floor par 809 Fuel tank 810 Rear sus 818 Other un (specify) 819 Unknown 820 Air scoop 821 Cellular of 822 Emergene 823 Fog light 824 Luggage, 825 Cargo (sp 826 Spare tire 827 Spotlight 828 Other ac Other Object or  947 Ground	ont wheel / tire wheel / tire ar wheel / tire ar wheel / tire ar wheel / tire on wheel / tire omponents ossmember assembly/Front suspension system pipe ssion aft c converter  c pension dercarriage component : in undercarriage component  p, deflector or CB radio antenna cy lights or bar s, ski, or bike rack pecify): e ccessory (specify):  Vehicle in Environment
700 701 702 703 704 705 706 707 708 718 719 Left 720 721 722 723 724 725 726 728 729 730 731 732 733 734 735 736 737 738 739	Front bumper Front lower valance/spoiler Front grille Hood edge and/or trim Hood ornament (fixed) Hood ornament (spring loaded) Headlight Retractable headlight door (Open/Clo Turn signal/parking lights Other front or add on object (specify):	late Fret	745 C p 746 D p 748 Oth 749 Rigi 750 Rigi 751 Rigi 752 Rigi 753 Rigi 755 Rigi 756 Rea 757 Rea 758 Oth (spe 760 Rea 761 Tail 762 Hat 768 Oth (spe 769 Unk  Top Compo 771 Hoo com 772 Fror 773 Cov 774 Wip 775 Win 776 Fror 7778 Bac 779 Rea	billar billar billar billar billar billar ber pillar (specify): bit side door surfa bit side glazing for bit side glazing rea ar antenna ber right side object ber side object ber side object ber right side object ber right side object ber right side object ber right side object ber side object ber side object ber right side object ber right side object ber object ber object ber object ber object bit side object bit sid	ce le dd housing rror rward of B pillar arward of B pillar er panel et ct component ced by under hood ace tings	790 Left from 791 Right fro 792 Left rear 793 Right rea 798 Other wi 799 Unknown Undercarriage co 800 Front cro 801 Steering 802 Oil pan 803 Exhaust 804 Transmis 805 Drive sha 806 Catalytic 807 Muffler 808 Floor par 809 Fuel tank 810 Rear sus 818 Other un (specify): 819 Unknown Accessories 820 Air scoop 821 Cellular of 822 Emergen: 823 Fog light: 824 Luggage, 825 Cargo (sp 826 Spare tirk 827 Spotlight 828 Other acc Other Object or 1 947 Ground 948 Other obj	ont wheel / tire wheel / tire ar wheel / tire ar wheel / tire wheel / tire omponents ossmember assembly/Front suspension system pipe ssion aft c converter  n c pension dercarriage component : in undercarriage component  p, deflector or CB radio antenna cy lights or bar s, ski, or bike rack pecify): e c cessory (specify):  Vehicle in Environment ject (specify):
700 701 702 703 704 705 706 707 708 718 720 721 722 723 724 725 726 728 729 730 731 732 733 734 735 736 737 738 739 8197 739	Front bumper Front lower valance/spoiler Front grille Hood edge and/or trim Hood ornament (fixed) Hood ornament (spring loaded) Headlight Retractable headlight door (Open/Clc Turn signal/parking lights Other front or add on object (specify):	late Fret	745 C p 746 D p 748 Oth 749 Rigi 750 Rigi 751 Rigi 752 Rigi 753 Rigi 754 Rigi 755 Rigi 756 Rea 757 Rea 758 Oth (spe 759 Unk  Back Comp 760 Rea 761 Tail 762 Hat 768 Oth (spe 770 Hoo 771 Hoo com 771 Fror 773 Cov 774 Wip 775 Win 776 Fror 777 Roac 779 Rea 780 Hate	billar billar billar billar billar billar ber pillar (specify): side door surfa side side pillar (specify): side glazing rea ar antenna ar fender or quarte ser right side object ecify): sknown right side of conents ar (back) bumper light side side of conents bar (back) bumper light side of conents bar (back) bar (back	ce le dd housing rror rward of B pillar arward of B pillar er panel et ct component ced by under hood ace tings	790 Left from 791 Right fro 792 Left rear 793 Right rea 793 Right rea 798 Other wil 799 Unknown 800 Front cro 800 Front cro 801 Steering 802 Oil pan 803 Exhaust 804 Transmis 805 Drive sha 806 Catalytic 807 Muffler 808 Floor par 809 Fuel tank 810 Rear sus 818 Other un (specify) 819 Unknown  Accessories 820 Air scoop 821 Cellular of 822 Emergene 823 Fog light 824 Luggage, 825 Cargo (sp 826 Spare tire 827 Spotlight 828 Other acc Other Object or 947 Ground 948 Other obj 949 Unknown	ont wheel / tire wheel / tire ar wheel / tire ar wheel / tire ar wheel / tire ar wheel / tire on wheel / tire omponents ossmember assembly/Front suspension system pipe ssion aft c converter  of pension dercarriage component : in undercarriage component  p, deflector or CB radio antenna cy lights or bar s, ski, or bike rack pecify): e ccessory (specify): Vehicle in Environment in object in environment
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- distant

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

**Blood Alcohol Level** (mg/dl)

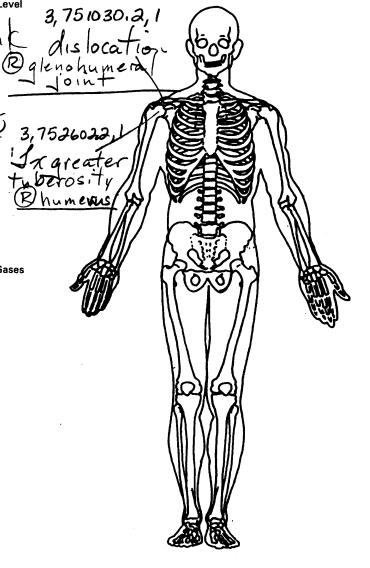
Glasgow Coma Scale Score

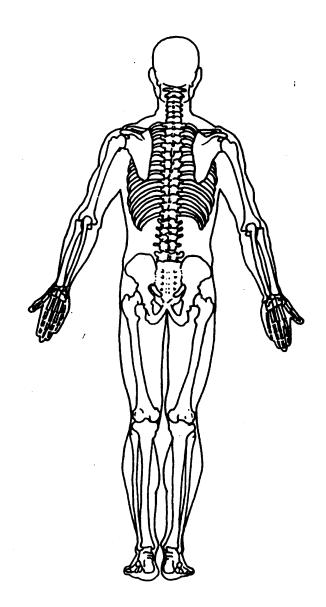
Units of Blood Given

**Arterial Blood Gases** 

 $PO_2 =$ 

PCO<sub>2</sub> HCO<sub>3</sub>

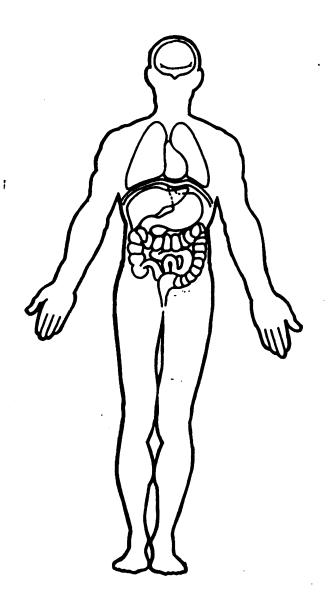


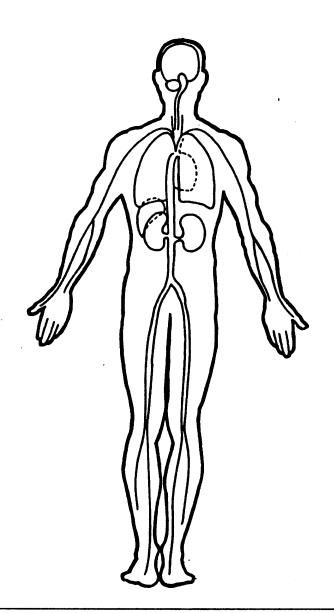


National Accident Sampling System-Crashworthiness Data System: Pedestrian Injury Form

# OFFICIAL INJURY DATA —INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





6. Department of Transportation National Highway Traffic Safety

# PEDESTRIAN GENERAL VEHICLE FORM NATIONAL ACCIDENT SAMPLING SYSTEM

PEDESTRIAN CRASH DATA STUDY Administration OFFICIAL RECORDS 1. Primary Sampling Unit Number 2. Case Number - Stratum 9. Police Reported Travel Speed 3. Vehicle Number Code to the nearest kmph (NOTE: 000 means less than 0.5 kmph) (160) 159.5 kmph and above **VEHICLE IDENTIFICATION** (999) Unknown \_\_ mph X 1.6093 = \_\_\_ \_ kmph 4. Vehicle Model Year Code the last two digits of the model year 10. Speed Limit (99) Unknown (000) No statutory limit Code posted or statutory speed limit in kmph (999) Unknown 5. Vehicle Make (specify): 4000 mph X 1.6093 = kmph Applicable codes are found in your NASS PCDS Data Collection, Coding and Editing Manual. 11. Police Reported Alcohol Presence For Driver (99) Unknown (0) No alcohol present (1) Yes alcohol present (7) Not reported (8) No driver present 6. Yehicle Model (specify): (9) Unknown Applicable codes are found in your NASS PCDS Data Collection, Coding and 12. Alcohol Test Result For Driver Editing Manual. Code actual value (decimal implied (999) Unknown before first digit - 0.xx) (95) Test refused (96) None given 7. Body Type (97) AC (Alcohol Content) test Note: Applicable codes may be found on performed, results unknown the back of this page. (98) No driver present (99) Unknown Source: 8. Vehicle Identification Number 13. Police Reported Other Drug Presence For Driver (O) No other drug(s) present (1) Yes other drug(s) present Left justify; Slash zeros and letter Z (0 and Z) (7) Not reported No VIN-Code all zeros (8) No driver present Unknown-Code all nines (9) Unknown 14. Other Drug Specimen Test Result For Driver (0) No specimen test given (1) Drug not found in specimen (2) Drug found in specimen (specify):\_ Specimen test given, results unknown or not obtained No driver present

(9) Unknown

# CODES FOR BODY TYPE

#### CDS APPLICABLE VEHICLES

#### **Automobiles**

- (01) Convertible (excludes sun-roof, t-bar)
- (02) 2-door sedan, hardtop, coupe
- (03) 3-door/2-door hatchback
- (04) 4-door sedan, hardtop
- (05) 5-door/4-door hatchback
- (06) Station wagon (excluding van and truck based)
- (07) Hatchback, number of doors unknown
- (08) Other automobile type (specify):
- (09) Unknown automobile type

#### Automobile Derivatives

- (10) Auto based pickup (includes El Camino, Caballero, Ranchero, Brat, and Rabbit pickup)
- (11) Auto based panel (cargo station wagon, auto based ambulance/hearse)
- (12) Large limousine more than four side doors or stretched chassis
- (13) Three-wheel automobile or automobile derivative

#### Utility Vehicles (≤ 4,500 kgs GVWR)

- (14) Compact utility (Jeep CJ-2 CJ-7, Scrambler, Golden Eagle, Renegade, Laredo, Wrangler, Cherokee [84 and after], Dispatcher, Raider, Bronco II, Bronco [76 and before], Explorer, S-10 Blazer, Geo Tracker, Bravada, S-15 Jimmy, Thing, Pathfinder, Trooper, Trooper II, Rodeo, Amigo, Navajo, 4-Runner, Montero, Samurai, Sidekick, Rocky)
- (15) Large utility (includes Jeep Cherokee [83 and before], Ramcharger, Trailduster, Bronco-fullsize [78 and after], fullsize Blazer, fullsize Jimmy, Landcruiser, Rover, Scout)
- (16) Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
- (19) Utility, unknown body type

#### Van Based Light Trucks (≤ 4,500 kgs GVWR)

- (20) Minivan (Chrysler Town and Country, Caravan, Grand Caravan, Voyager, Grand Voyager, Mini-Ram, Dodge/Plymouth Vista, Aerostar, Villager, Lumina APV, Trans Sport, Silhouette, Astro, Safari, Toyota Van, Toyota Minivan, Previa, Nissan Minivan, Quest, Mitsubishi Minivan, Vanagon/Camper.)
- (21) Large van (B150-B350, Sportsman, Royal, Maxiwagon, Ram, Tradesman, Voyager [83 and before], E150-E350, Econoline, Clubwagon, Chateau, G10-G30, Chevy Van, Beauville, Sport Van, G15-G35, Rally Van, Vandura.)
- (22) Step van or walk-in van (≤ 4,500 kgs GVWR)
- (23) Van based motorhome (≤ 4,500 kgs GVWR)
- (24) Van based school bus (≤ 4,500 kgs GVWR)
- (25) Van based other bus (≤ 4,500 kgs GVWR)
- (28) Other van type (Hi-Cube Van, Kary) (specify):
- (29) Unknown van type

# Light Conventional Trucks (Pickup style cab, ≤ 4,500 kgs GVWR)

- (30) Compact pickup (D50, Colt P/U, Ram 50, Dakota, Arrow Pickup [foreign], Ranger, Courier, S-10, T-10, LUV, S-15, T-15, Sonoma, Datsun/Nissan Pickup, P'up, Mazda Pickup, Toyota Pickup, Mitsubishi Pickup)
- (31) Large Pickup (Jeep Pickup, Comanche, Ram Pickup, D100-D350, W100-W350, F100-F350, C10-C35, K10-K35, R10-R35, V10-V35, Silverado, Sierra, R100-R500,)

- (32) Pickup with slide-in camper
- (33) Convertible pickup
- (39) Unknown pickup style light conventional truck type

#### Other Light Trucks (≤ 4,500 kas GVWR)

- (40) Cab chassis based (includes rescue vehicles, light stake, dump, and tow truck)
- (41) Truck based panel
- (42) Light truck based motorhome (chassis mounted)
- (45) Other light conventional truck type
- (48) Unknown light truck type
- (49) Unknown light vehicle type (automobile, utility, van, or light truck)

#### OTHER VEHICLES

#### Buses (Excludes Van Based)

- (50) School bus (designed to carry students, not cross country or transit)
- (58) Other bus type (e.g., transit, intercity, bus based motorhome) (specify):
- (59) Unknown bus type

#### Medium/Heavy Trucks (> 4,500 kgs GVWR)

- (60) Step van (> 4,500 kgs GVWR)
- (61) Single unit straight truck (4,500 kgs < GVWR ≤ 8,850 kgs)
- (62, Single unit straight truck (8,850 kgs < GVWR ≤ 12,000 kgs)
- (63) Single unit straight truck (> 12,000 kgs GVWR)
- (64) Single unit straight truck, GVWR unknown
- (65) Medium/heavy truck based motorhome
- (67) Truck-tractor with no cargo trailer (68) Truck-tractor pulling one trailer
- (69) Truck-tractor pulling one trailer
- (70) Truck-tractor (unknown if pulling trailer)
- (78) Unknown medium/heavy truck type
- (79) Unknown truck type (light/medium/heavy)

# Motored Cycles (Does Not Include All-Terrain Vehicles/Cycles)

- (80) Motorcycle
- (81) Moped (motorized bicycle)
- (82) Three-wheel motorcycle or moped
- (88) Other motored cycle (minibike, motorscooter) (specify):
- (89) Unknown motored cycle type

#### Other Vehicles

- (90) ATV (All-Terrain Vehicle) and ATC (All-Terrain Cycle)
- (91) Snowmobile
- (92) Farm equipment other than trucks
- (93) Construction equipment other than trucks
- (97) Other vehicle type
- (99) Unknown body type

	VEHICLE WEIGHT ITEMS	RECONSTRUCTION DATA
	Vehicle Curb Weight  Code weight to nearest 10 kilograms.  (045) Less than 450 kilograms  (610) 6,100 kilograms or more  (999) Unknown    Source:   Source:	18. Impact Speed     S   S   S
	(450) 4,500 kilograms or more (999) Unknown , lbs X .4536 =, kgs	20. Data Source of Impact Speed (0) No impact speed calculated (1) Zone center calculation (2) Police calculation (3) Driver/witness/police estimates  PRECRASH DATA
	OTHER DATA	21. Driver's Attention to Driving (Prior to Recognition of Critical Event) (1) Full attention to driving
17.	Vehicle Special Use (This Trip) (0) No special use (1) Taxi (2) Vehicle used as school bus (3) Vehicle used as other bus (4) Military (5) Police (6) Ambulance (7) Fire truck or car (8) Other (specify):	(2) Distracted by other occupant (3) Distracted by moving object in vehicle (4) Distracted by outside person, object, or event (5) Talking on cellular phone or CB radio Specify: (6) Sleeping or dozing while driving (8) Other (specify): (9) Unknown
	(9) Unknown	(Prior to Recognition of Critical Event) (01) Going straight (02) Slowing or stopping in traffic lane (03) Starting in traffic lane (04) Stopped in traffic lane (05) Passing or overtaking another vehicle (06) Disabled or parked in travel lane (07) Leaving a parking position (08) Entering a parking position (09) Turning right
	STOP - VARIABLES 18 THROUGH 20	(10) Turning left (11) Making a U-turn
	ARE COMPLETED BY THE ZONE CENTER	<ul> <li>(12) Backing up (other than for parking position)</li> <li>(13) Negotiating a curve</li> <li>(14) Changing lanes</li> <li>(15) Merging</li> <li>(16) Successful avoidance maneuver to a previous critical event</li> <li>(97) Other (specify):</li> <li>(98) No driver present</li> </ul>
		(99) Hoknown

a System: Pedestrian General Vehicle Form Pa
(83) Pedalcyclist or other nonmotorist in roadway
(specify):
(84) Pedalcyclist or other nonmotorist approaching
roadway (specify):
(85) Pedalcyclist or other nonmotorist—unknown
location (specify):
Object or Animal
(87) Animal in roadway
(88) Animal approaching roadway
(89) Animal—unknown location
(90) Object in roadway
(91) Object approaching roadway
(92) Object—unknown location
(98) Other critical precrash event (specify):
(00) Other orthod producti over (openly).
(99) Unknown
(55) OTIKITOWIT
24. Attempted Avoidance Maneuver
(00) No driver present
(O1) No avoidance actions
(O2) Braking (no lockup)
(03) Braking (lockup)
(04) Braking (lockup unknown)
(05) Releasing brakes
(06) Steering left
(07) Steering right
(08) Braking and steering left
(09) Braking and steering right
(10) Accelerating
(11) Accelerating and steering left
(12) Accelerating and steering right
(98) Other action (specify):
(99) Unknown
25. Precrash Stability After Avoidance Maneuver
(0) No driver present
(1) No avoidance maneuver
(2) Tracking
(3) Skidding longitudinally—rotation less than 30
degrees
(4) Skidding laterally—clockwise rotation
(5) Skidding laterally—counterclockwise rotation
(8) Other vehicle loss-of-control (specify):
(8) Other vehicle loss-of-control (specify):
(9) Precrash stability unknown
OO Burnet Directional Community of
26. Precrash Directional Consequences of
Avoidance Maneuver (Corrective Action)
(0) No driver present (1) No avoidance maneuver
(2) Vehicle stayed in travel lane where avoidance maneuver was initiated
(3) Vehicle stayed on roadway but left travel lane
where avoidance maneuver was initiated
(4) Vehicle stayed on roadway, not known if left
travel lane where avoidance maneuver was
initiated
(5) Vehicle departed roadway
(6) Avoidance maneuver initiated off roadway
(9) Directional consequences unknown

N. /	ENVIRONME	NTAL DATA
27.	Relation to Junction (0) Non-junction (1) Interchange area  Non-Interchange (2) Intersection (3) Intersection-related (4) Drive, alley access related (5) Other non-interchange (specify):	33. Roadway Surface Condition (1) Dry (2) Wet (3) Snow and slush (4) Ice (5) Sand, dirt or oil (8) Other (specify): (9) Unknown
28.	(6) Unknown type of non-interchange (9) Unknown if interchange  Trafficway Flow (1) Not physically divided (two way traffic) (2) Divided trafficway - median strip without positive barrier (3) Divided trafficway - median strip with positive barrier (4) One way trafficway (9) Unknown	34. Traffic Control Device (0) No traffic control(s) (1) Trafficway traffic control signal (not RR crossing)  Regulatory or School Zone Sign (Not RR Crossing) (2) Stop sign (3) Yield sign (4) School zone sign (5) Other sign (specify):  (6) Unknown sign (7) Warning sign (not RR crossing) (9) Misselless and (sthere controls including RR
	Number of Travel Lanes (1) One (2) Two (3) Three (4) Four (5) Five (6) Six (7) Seven or more (9) Unknown	(8) Miscellaneous/other controls including RR controls (specify):  (9) Unknown  35. Traffic Control Device Functioning (0) No traffic control (1) Not Functioning (2) Functioning (9) Unknown
	(1) Straight (2) Curve right (3) Curve left (9) Unknown	36. Light Conditions (1) Daylight (2) Dark (3) Dark, but lighted (4) Dawn (5) Dusk
31.	Roadway Profile (1) Level (2) Uphill Grade (>2%) (3) Downhill Grade (>2%) (4) Hillcrest (5) Sag (9) Unknown	(9) Unknown  37. Atmospheric Conditions (1) No adverse atmospheric related driving conditions (2) Rain (3) Sleet
32.	Roadway Surface Type (1) Concrete (2) Bituminous (asphalt) (3) Brick or Block (4) Slag, gravel or stone (5) Dirt (8) Other (specify): (9) Unknown	<ul> <li>(4) Snow</li> <li>(5) Fog</li> <li>(6) Rain and fog</li> <li>(7) Sleet and fog</li> <li>(8) Other (e.g., smog, smoke, blowing sand or dust, etc.) (specify):</li> <li>(9) Unknown</li> </ul>

82 (644 P) 645 P

796

95 Runger

644 5140 F

Abrusia &. Know

5911 140#

c. ~ R. ch . - K R. 1=0. - h. d

Dislock R. Should--

FRP to POI 1,5-m = 5-ft. f=0,6

> 145 1440 F 13" 115-77

> > 95 to Trunsister -Should -- L-++ forether. Spran

 $V^{2} = 25 \neq \varphi$  V = 7(2)(5)(0.6)(32.2)

V = 7193 = 13,89 fps = 9,45mph = 15,2 KPh,

# PEDESTRIAN EXTERIOR VEHICLE FORM NATIONAL ACCIDENT SAMPLING SYSTEM

PEDESTRIAN CRASH DATA STUDY

1. Primary Sampling Unit Number

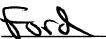
2. Case Number - Stratum

3. Vehicle Number

# VEHICLE IDENTIFICATION

Model Yea

Vehicle Make (specify):



Vehicle Model (specify):  $\Omega$ 

# PEDESTRIAN FRONT CONTACT WORK SHEET

PEV06 Hood Material

PEV08 Hood Length

PEV09 Hood Width-Forward Opening

PEV10 Hood Width-Midway

PEV11 Hood Width-Rear Opening

PEV14 Front Bumper Cover Material

PEV15 Front Bumper Reinforcement Material

cm

cm

cm

cm

#### **VERTICAL MEASUREMENTS**

PEV16 Front Bumper-Bottom Height

PEV17 Front Bumper-Top Height

PEV18 Forward Hood Opening

PEV19 Front Bumper Lead

cm cm cm

#### **WRAP DISTANCES**

PEV20 Ground to Forward Hood Opening

PEV21 Ground to Front/Top Transition Point

PEV22 Ground to Rear Hood Opening

PEV23 Ground to Base of Windshield

PEV24 Ground to Top of Windshield

PEV25 Ground to Head Contact

cm

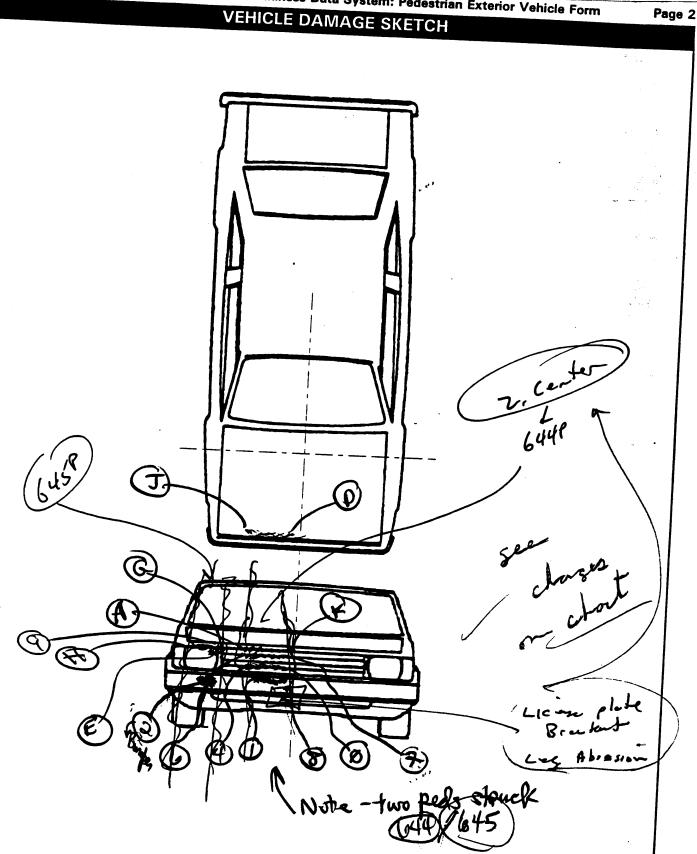
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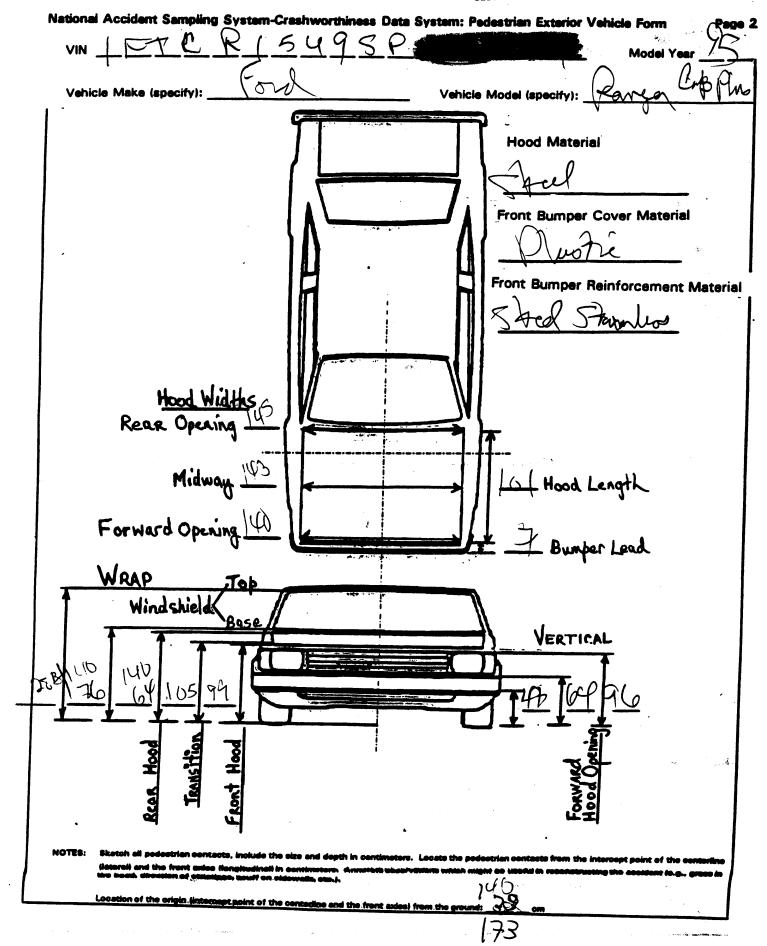
cm



Sketch all pedestrian contacts, include the size and depth in centimeters. Locate the pedestrian contacts from the intercept point of the centerline (lateral) NOTES: and the front axles (longitudinal) in centimeters. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire be

Location of the origin (intercept point of the centerline and the front axles) from the ground:





# VEHICLE DAMAGESKETCH The second secon Head Wrap Contact

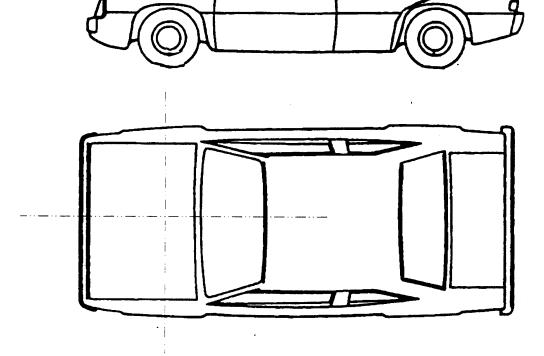
NOTES: Sketch all pedestrian contacts, include the size and depth in centimeters. Locate the pedestrian contacts from the intercept point of the centerline (lateral) and the front axles (longitudinal) in centimeters. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of strictions, scuff on sidewalls, etc.).

Location of the origin (intercept point of the centerline and the front axles) from the ground:

cm

	PEDESTRIAN SIDE CONTACT WORK SHEET							
PEVO	Hood Material							
PEV08	Hood Length	cm						
PEV09	Hood Width-Forward Opening	cm						
PEV10	Hood Width-Midway	cm						
PEV1	Hood Width-Rear Opening	cm						
VERTICAL MEASUREMENTS								
PEV2	Ground Clearance	cm						
PEV2	Side Bumper-Bottom Height	cn						
PEV2	Side Bumper-Top Height	cm						
PEV2	Centerline of Wheel	cn						
PEV3	Top of Tire	cn						
PEV3	Top of Wheel Well Opening	cn						
PEV3	Bottom of A-Pillar at Windshield	cn						
PEV3	Top of A-Pillar at Windshield	cn						
PEV3	Top of Side View Mirror	cn						
	LATERAL MEASUREMENTS							
PEV3	C <sub>L</sub> to A-Pillar at Bottom of Windshield	cn						
PEV3	C <sub>L</sub> to A-Pillar at Top of Windshield	cn						
PEV3	C <sub>L</sub> to Maximum Side View Mirror Protrusion	cn						
WRAP DISTANCES								
PEV3	Ground to Side/Top Transition	cn						
PEV3	Ground to Hood Edge	cn						
PEV4	Ground to Centerline of Hood (ORIGIN)	cn						
	Ground to Head Contact	cn						

# **VEHICLE DAMAGE SKETCH**



NOTES: Sketch all pedestrian contacts, include the size and depth in centimeters. Locate the pedestrian contacts from the intercept point of the centerline (lateral) and the front axles (longitudinal) in centimeters. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.).

Location of the origin (intercept point of the centerline and the front axles) from the ground:

#### **ORIGINAL SPECIFICATIONS** inches $\times 2.54$ Wheelbase inches $\times 2.54$ Overall Length Maximum Width inches x 2.54pounds $\times$ .4536 = Curb Weight inches $\times 2.54$ Average Track Front Overhang inches x 2.54Rear Overhang inches $\times 2.54$ CM Undeformed End Width inches $\times 2.54$ Engine Size: cyl./displ. $\times$ .001 CC $\times .0164 =$ CID INJURY SOURCE Wheels / tires **FRONT** 700 Front bumper 744 B pillar 790 Left front wheel / tire 701 Front lower valance/spoiler 745 C pillar 791 Right front wheel / tire 702 Front grille 746 D pillar 792 Left rear wheel / tire 703 Hood edge and/or trim 748 Other pillar (specify): 793 Right rear wheel /tire 704 Hood ornament (fixed) 749 Right side roof rail 798 Other wheel / tire (specify): 705 Hood ornament (spring loaded) 750 Right side door surface 799 Unknown wheel / tire 706 Headlight 751 Right side door handle 707 Retractable headlight door (Open/Closed) 752 Right side mirror fixed housing Undercarriage components 708 Turn signal/parking lights 753 Right side folding mirror 800 Front cross member 718 Other front or add on object 754 Right side glazing forward of B pillar 801 Steering assembly/Front suspension (specify):\_ 755 Right side glazing rearward of B pillar 802 Oil pan 719 Unknown front object 756 Rear antenna 803 Exhaust system pipe 757 Rear fender or quarter panel 804 Transmission 758 Other right side object 805 Drive shaft Left Side Components 720 Front fender side surface (specify): 806 Catalytic converter 721 Front antenna 759 Unknown right side component 807 Muffler 722 A1 pillar 808 Floor pan 723 A2 pillar 809 Fuel tank **Back Components** 724 B pillar 760 Rear (back) bumper 810 Rear suspension 761 Tailgate 818 Other undercarriage component 725 C pillar 726 D pillar 762 Hatchback, vertical surface 768 Other back component 819 Unknown undercarriage component 728 Other pillar (specify): (specify): 729 Left side roof rail 769 Unknown back component **Accessories** 820 Air scoop, deflector 730 Left side door surface 731 Left side door handle 821 Cellular or CB radio antenna Top Components 770 Hood surface 822 Emergency lights or bar 732 Left side mirror fixed housing 771 Hood surface reinforced by under hood 823 Fog lights 733 Left side folding mirror 734 Left side glazing forward of B pillar component 824 Luggage, ski, or bike rack 825 Cargo (specify):\_ 735 Left side glazing rearward of B pillar 772 Front fender top surface 736 Left side back fender or quarter panel 773 Cowl area 826 Spare tire 737 Rear antenna 774 Wiper blade & mountings 827 Spotlight 828 Other accessory (specify):\_ 738 Other left side object 775 Windshield glazing (specify): \_ 776 Front header 739 Unknown left side component 777 Roof surface Other Object or Vehicle in Environment 778 Backlight glazing 947 Ground 948 Other object (specify):\_ Right Side Components 779 Rear header 949 Unknown object in environment 780 Hatchback 740 Front fender side surface 959 Unknown object on contacting vehicle 741 Front antenna 781 Rear trunk lid 788 Other top component (specify): \_ 997 Noncontact injury source 742 A1 pillar 743 A2 pillar 789 Unknown top component 999 Unknown injury source

					TRIAN CONTA			
CONTACT ID LABEL	COMPONENT CONTACTED	LONGITUDINAL Location (X)	LATERAL LOCATION (Y)	CRUSH IN CENTIMETERS	SUSPECTED BODY REGION	SUPPORTING PHYSICAL EVIDENCE	CONFIDENCE LEVEL OF CONTACT POINT (Circle)	SEQUENCE
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4	CENTON	79	34	0	Charl	J. S.	1) 2 3 9	4
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5	Color Color	73	55	0	TKM	S. Track	Q <sup>2</sup> 3 9	5
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# POINTS OF PEDESTRIAN CONTACT CHRONOLOGICAL ORDER OF CONTACTS

	CHRONOLOGICAL ORDER OF CONTACTS							
CONTACT	COMPONENT CONTACTED CODE	LONGITUDINAL LOCATION (X)	LATERAL LOCATION (Y)	CRUSH IN Centimeters	SUSPECTED BODY REGION	SUPPORTING PHYSICAL EVIDENCE	CONFIDENCE LEVEL OF CONTACT POINT ( <i>Circle)</i>	
1							1 2 3 9	
2							1 2 3 9	
3							1 2 3 9	
4							1 2 3 9	
5							1 2 3 9	
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9							1 2 3 8	
10							1 2 3 9	
11							1 2 3 9	
12			)				1 2 3 9	
13							1 2 3 9	
14							1 2 3 9	
15							1 2 3 9	
16							1 2 3 9	
17							1 2 3 9	
19							1 2 3 9	
20							1 2 3 5	
21							1 2 3 9	
22							1 2 3 9	
23							1 2 3 9	
24							1 2 3 9	
_ 25							1 2 3 9	

VEHICLE DIMENSIONS	11. Hood Width Rear Opening
4. Original Wheelbase  Code to the nearest centimeter (999) Unknown	Code to the nearest centimeter (210) 210 centimeters or more (999) Unknown
5. Original Average Track Width  Code to the nearest centimeter (185) 185 centimeters or more (999) Unknown  inches X 2.54 = centimeters  6. Hood Material (1) Plastic (2) Fiberglass (3) Steel (4) Aluminum (5) Stainless Steel (8) Other (specify): (9) Unknown	12. Hood/Fender Vertical/Lateral Crush Pedestrian  (0) Not damaged  (1) Surface scratching only, no residual crush (2) Minor crush (1-3 centimeters) (3) Moderate crush (4-7 centimeters) (4) Severe crush (>7 centimeters) (8) Damage present, unknown if damage is from pedestrian impact (9) Unknown  13. Windshield Contact Damage From Pedestrian Contact (0) Not contacted by pedestrian (1) Contacted by pedestrian - not damaged (2) Contacted by pedestrian - damaged (3) Unknown if contacted by pedestrian - not damaged (4) Unknown if contacted by pedestrian -
7. Hood Original Equipment Manufacturer (OEM) (1) OEM factory installed hood (2) OEM replacement (3) Non-OEM replacement (9) Unknown	damaged  (9) Unknown if contacted by pedestrian - unknown if damaged  FRONT CONTACT DAMAGE
8. Hood Length  Code to the nearest centimeter (180) 180 centimeters or more (999) Unknown  inches X 2.54 = centimeter  9. Hood Width Forward Opening	Front Vertical Measurements  14. Front Bumper Cover Material (0) No front contact (1) Plastic (2) Fiberglass (3) Rubber (4) Other (specify): (9) Unknown
Code to the nearest centimeter (210) 210 centimeters or more (999) Unknown	15. Front Bumper Reinforcement Material (0) No front contact (1) Steel (2) Aluminum (3) Stainless Steel (4) Other (specify): (9) Unknown  16. Front Bumper-Bottom Height  Code to the nearest centimeter (000) No front contact
inches X 2.54 = centimeters	(150) 150 centimeters or more (999) Unknown . inches X 2.54 = centimeters

29.	Centerline of Wheel	00C	Side Lateral Measurements
	Code to the		000
	nearest centimeter		35. Centerline to A-Pillar
	(000) No side contact (150) 150 centimeters or more		at Bottom of Windshield
	(999) Unknown		(000) No side contact
	(COS) CHANGINI		Code to the
	inches X 2.54 =	centimeters	nearest centimeter
		0 = :	(250) 250 centimeters or more (999) Unknown
		11019	(000) Olikilowii
30.	Top of Tire	<u>0</u> 00	inches X 2.54 = centimeters
	Code to the nearest centimeter		
	(000) No side contact		$\bigcap \bigcap \bigcap$
	(200) 200 centimeters or more		36. Centerline to A-Pillar
	(999) Unknown		at Top of Windshield
			Code to the nearest centimeter
	inches X 2.54 =	centimeters	(000) No side contact
			(250) 250 centimeters or more
21	Top of Wheel Well Opening	000	(999) Unknown
J1.	Code to the	<u> </u>	
	nearest centimeter		inches X 2.54 = centimeter
	(000) No side contact		10
	(250) 250 centimeters or more		37. Centerline to Maximum Side
	(999) Unknown		View Mirror Protrusion
			Code to the
	inches X 2.54 =	centimeters	nearest centimeter
32	Bottom of A-Pillar at Windshield	(100	(000) No side contact
<b>UZ.</b>	Code to the	<u> </u>	(300) 300 centimeters or more
	nearest centimeter		(999) Unknown
	(000) No side contact		inches X 2.54 = centimeter
	(250) 250 centimeters or more		Continued of Electric Continued of Ele
	(999) Unknown		
	. inches X 2.54 =	centimeters	Side Wrap Distance Measurements
			O(C)
		(100	38. Ground to Side/Top Transition
33.	Top of A-Pillar at Windshield	クレひ	Code to the
	Code to the	_	nearest centimeter
	nearest centimeter		(000) No side contact
	(000) No side contact (300) 300 centimeters or more		(400) 400 centimeters or more
	(999) Unknown		(999) Unknown
	• • • • • • • • • • • • • • • • •		inches X 2.54 = centimeters
	inches X 2.54 =	centimeters	
		0000	
	T		39. Ground to Hood Edge
34.	Top of Side View Mirror		Code to the
	Code to the nearest centimeter		nearest centimeter
	(000) No side contact		(000) No side contact (500) 500 centimeters or more
	(300) 300 centimeters or more		(999) Unknown
	(999) Unknown		(SSS) SIMISTI
			inches X 2.54 = centimeters
	inches X 2.54 =	centimeters	

	Ground to Centerline of Hood  Code to the nearest centimeter  (000) No side contact  (700) 700 centimeters or more  (999) Unknown	000		
	Ground to Head Contact Code to the nearest centimeter (000) No side contact (800) 800 centimeters or more (998) No head contact (999) Unknown	centimeters		
	inches X 2.54 =	centimeters		
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PEDESTRIAN ASSESSMENT Occupant: 1

INTRA ERRORS

OHH1091 If TREATMENT PAS26 equals 0, 4 or 5, then HH1092

WORKING DAYS LOST PAS29 should equal 00, 01, 97 or 99.

0

PSU82 CASE 644P

CURRENT VERSION: 8.05

ERROR SUMMARY SCREEN PEDESTRIAN STUTY

¥96

	NUMBER OF DOLLAR SIGNS	NUMBER OF LEVEL 1 ERRORS	NUMBER OF LEVEL 2 ERRORS	VERSION NUMBER CONSISTENT
Pedestrian Accident	O	O	0	Y
Pedestrian Assessment	Ō	Ó	1	Ÿ
Pedestrian Injury	0	Ō	Ö	Υ
Pedestrian General Vehicl	e 0	O	0	Υ
Pedestrian Exterior Vehic	le O	O	O'	Υ
Total Inter Errors		o	0	
Total Case Errors	o	o	1	